Ribosomal RNA Large Subunit Methyltransferase E (rlmE) Methanosarcina Mazei Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ribosomal RNA large subunit methyltransferase E (rlmE), Recombinant Protein
Full Product Name	Recombinant Methanosarcina mazei Ribosomal RNA large subunit methyltransferase E (rlmE)
Product Gene Name	rlmE recombinant protein
Product Synonym Gene Name	rlmE; rrmJ; MM_2288
Product Synonym Names	Ribosomal RNA large subunit methyltransferase E; EC=2.1.1.166; 23S rRNA Um2552 methyltransferase; rRNA (uridine-2'-O-)-methyltransferase
Sequence	MARDRRDYYY HQAKEEGYRS RASFKLKQIN EKHNVIKRGD SVVDLGAAPG GWLQVAKQLS GGKVLGVDLQ RIDPIEGVET IQGDINAEST IKKIIKIVGE KGADVVLCDA APNLSGNWSY DHARSIELAT SALECAKKIL KPKGNFAVKV FQGDMFNDYL DEVRNNFVRV KAYSPQASRS QSAEIYIIGK KFLTAPLRKG DKFVVDIEKL GSSGDGAVLI EGFVVFVKEV EVGEKVRIKI SDVKPNFAFA DVEERIESSE TENREKSD
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	29,744 Da
Sequence Positions	1-268aa; full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q8PUP4
Species	Methanosarcina mazei (strain BAA-159 / DSM 3647 / Goe1 / Go1 / JCM 11833 / OCM 88) (Methanosarcina frisia)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for rlmE recombinant protein	MBS1319042 is a recombinant protein targeting rlmE. Also known as Recombinant Methanosarcina mazei Ribosomal RNA large subunit methyltransferase E (rlmE). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of rlmE recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for rlmE. It may not necessarily be applicable to this product.

NCBI GI #	21228390
NCBI GeneID	1480630
NCBI Accession #	NP_634312.1

UniProt Primary Accession #	Q8PUP4
UniProt Related Accession #	Q8PUP4
GenBank Nucleotide #	NC_003901.1
NCBI Official Full Name	methyltransferase
NCBI Official Symbol	ftsJ
UniProt Protein Name	Ribosomal RNA large subunit methyltransferase E
UniProt Synonym Protein Names	23S rRNA Um2552 methyltransferase; rRNA (uridine-2'-O-)-methyltransferase
Protein Family	Ribosomal RNA large subunit methyltransferase
UniProt Gene Name	rlmE
UniProt Entry Name	RLME_METMA
NCBI Protein Information	methyltransferase
UniProt Comments for rlmE	Specifically methylates the uridine in position 2552 of 23S rRNA at the 2'-O position of the ribose in the fully assembled 50S ribosomal subunit.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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